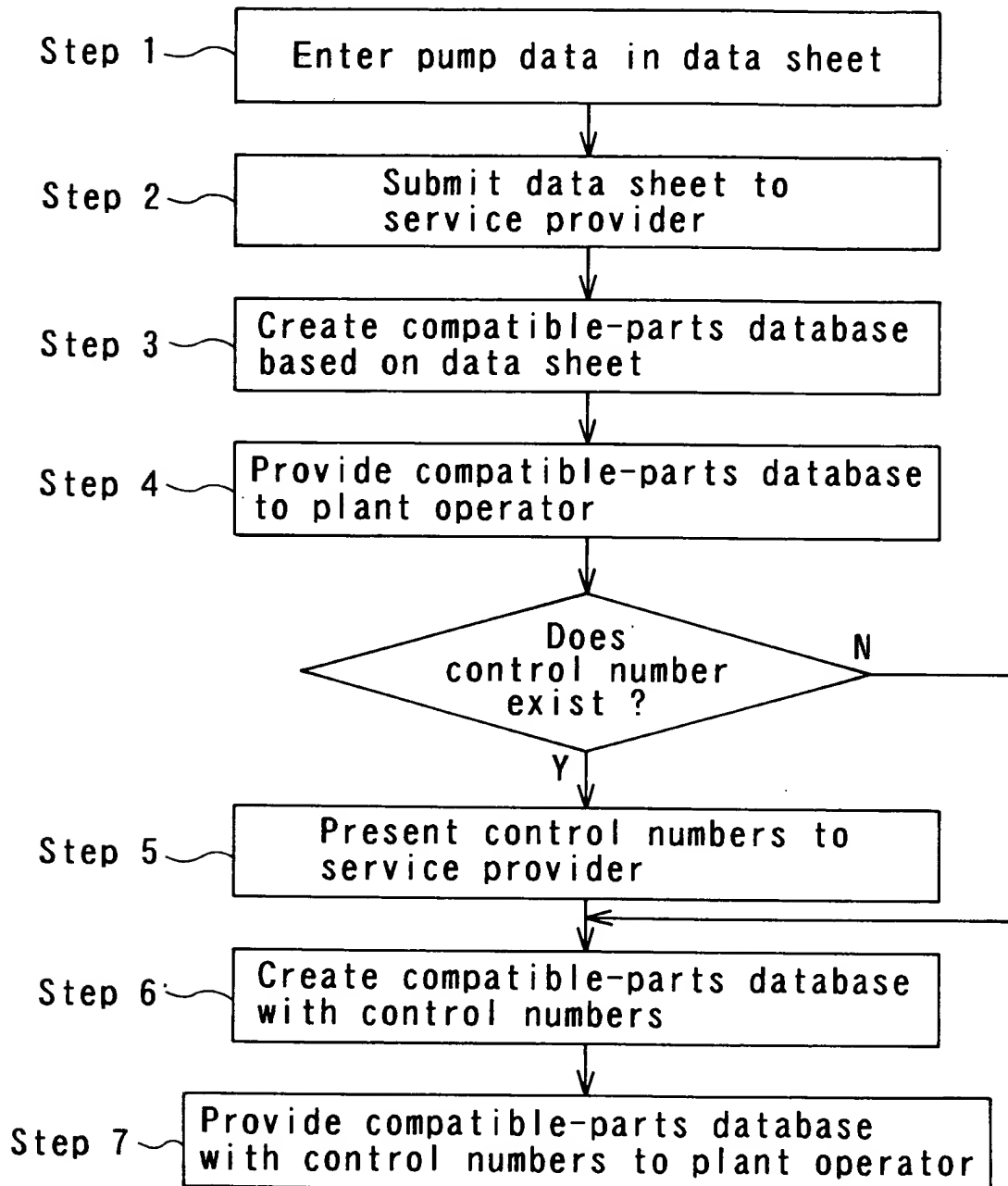


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FIG. 1



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F I G. 2

Plant name	Pump name	Equipment number	Serial number	Size/model		Numbering of the pump	Specifications				Year	Comments
				Model name	Series		Flow rate	Head	Rotational speed	Power		
1GT	WASTE SOLVENT PUMP	P-0404-C	197523	100ULSM		1/1	64M3/H		3500min-1	3.7kW	1983	
1GT	LOW PRESSURE FLUSE	P-0502-A	RD80056-02	100x80IFWM		1/2	100M3/H	90M	3560min-1	3.7kW	1983	
1GT	LOW PRESSURE FLUSE	P-0502-B	RD80056-02	100x80IFWM		2/2	100M3/H	90M	3560min-1	3.7kW	1975	
1GT	WASTE SOLVENT BUFF	P-0910-A	R580520-03	80x50ULSM	18145A	1/2	40M3/H	40M	3550min-1	11kW	1975	
1GT	WASTE SOLVENT BUFF	P-0910-B	R580520-03	80x50ULSM	18145A	2/2	40M3/H	40M	3550min-1	11kW	1976	
1GT	WASTE SOLVENT BUFF	P-0910-C	R680459	80x50ULSM	18145A	1/1	40M3/H	40M	3550min-1	11kW	1991	
1GT	RW BOOSTER PUMP	P-1336-A	RM80259	80x50IFWM		1/1	70M3/H	50M	3560min-1	13.48kW	1990	
1GT	RW BOOSTER PUMP	P-1336-B	RK21341	80x50IFWM		1/1	70M3/H	50M	3560min-1	13.48kW	1983	
1PET	PCW CIRCULATION PUMP	P-0401-A	RD18774-01	50x40IFWM		1/2	35M3/H	50M	3530min-1	11kW	1983	
1PET	PCW CIRCULATION PUMP	P-0401-B	RD18774-01	50x40IFWM		2/2	35M3/H	50M	3530min-1	11kW	1983	
1PET	PCW CIRCULATION PUMP	P-0921-A	RD18774-02	150x100IFWM		1/2	160M3/H	42M	3530min-1	37kW	1983	
1PET	CHW CIRCULATION PUMP	P-0921-B	RD18774-02	150x100IFWM		2/2	160M3/H	42M	3530min-1	37kW	1983	
1PET	CHW CIRCULATION PUMP	P-0921-B	E00001010	150x100IFWM		2/2	160M3/H	42M	3430min-1	37kW	1983	
1PET	CONDENSATE PUMP	P-0931-	RD18774-03	40x25IFWM		1/1	8M3/H	30M	3490min-1	3.7kW	1983	
1PET	WASTE		RD18774-04	40x25IFWM		2/2	15M3/H	30M	3490min-1	3.7kW	1983	
1PET						1/1	25M3/H	30M	3460min-1	5.5kW		
							1400L/MIN		2550min-1	5.5kW		

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F I G. 3

Plant name	Equipment number	Pump name	Size/model	Serial number	Numbering of the pump	Number of the pumps	Part code	Part name	Material of the part	Number of the parts
AL	P-0201	E-201 SCRUB' NG PUMP	50x40 IFSM	RJ18835-03	1/1	1	CIFSI-3001	IST-130S-72	ST35C	1
	P-0401	T-401 SCRUB' NG PUMP	50x40 IFSM	RJ18835-04	1/1	1	CIFSI-3001	IST-130S-72	S35C	1
3GT	PP-0404-A	WASTE SOLVENT PUMP	100x80 IFSM	RK17872-10	1/2	1	CIFSI-3077	IST-140S-72 (Recommended)	SUS316	1
	PP-0404-B	WASTE SOLVENT PUMP	100x80 IFSM	RK17872-10	2/2	1	CIFSI-3077	IST-140S-72 (Recommended)	SUS316	1
	PP-0410-A	DRYER SCRUBBER BOT	80x50 IFSM	RK17872-06	1/2	1	CIFSI-3077	IST-140S-72 (Recommended)	SUS316	1
	PP-0410-B	DRYER SCRUBBER BOT	80x50 IFSM	RK17872-06	2/2	1	CIFSI-3077	IST-140S-72 (Recommended)	SUS316	1
	PP-0901-A	WASTE SOLVENT FEED	100x80 IFSM	RK17872-09	1/2	1	CIFSI-3077	IST-140S-72 (Recommended)	SUS316	1
	PP-0901-B	WASTE SOLVENT FEED	100x80 IFSM	RK17872-09	2/2	1	CIFSI-3077	IST-140S-72 (Recommended)	SUS316	1
3GT	TP-0509	RESIDUE CIRCULATION	40x25 IFSM	RK17671-07	1/1	1	CIFSI-3076	IST-130S-72	SUS316	1
	P- 0101-A	DISSOLVER FEED BOO	100x80 IFSM	RE80215-01	1/2	1	CIFSI-3077	IST-140S-72	SUS316	1
2GT	P- 0101-B	DISSOLVER FEED BOO	100x80 IFSM	RE80215-01	2/2	1	CIFSI-3077	IST-140S-72	SUS316	1
	TP-0505-A	RESIDUE CENTRIFUGE	80x50 IFSM	RK17871-06	1/2	1	CIFSI-3077	IST-140S-72	SUS316	1
3GT	TP-0505-B	RESIDUE CENTRIFUGE	80x50 IFSM	RK17871-06	2/2	1	CIFSI-3077	IST-140S-72	SUS316	1
	TP-0301-B	MOTHER LIQUOR TRAIN	100x80 IFSM	RK17871-05	1/1	1	CIFSI-3078	IST-150SA-73	SUS316	1
3GT	PP-0304-A	CENTRIFUGE FEED PUMP	150x100 IFSM	RK17871-09	1/2	1	CIFSI-3079	IST-150SB-73	SUS316	1
	PP-0304-B	CENTRIFUGE FEED PUMP	150x100 IFSM	RK17871-09	2/2	1	CIFSI-3079	IST-150SB-73	SUS316	1
3GT	PP-0402-A	RVF FEED PUMP	150x100 IFSM	RK17871-09	2/2	1	CIFSI-3079	IST-150SB-73	SUS316	1
	PP-0402-B	RVF FEED PUMP	150x100 IFSM	RK17871-09	2/2	1	CIFSI-3079	IST-150SB-73	SUS316	1

P1

P2

P3

P4

P5

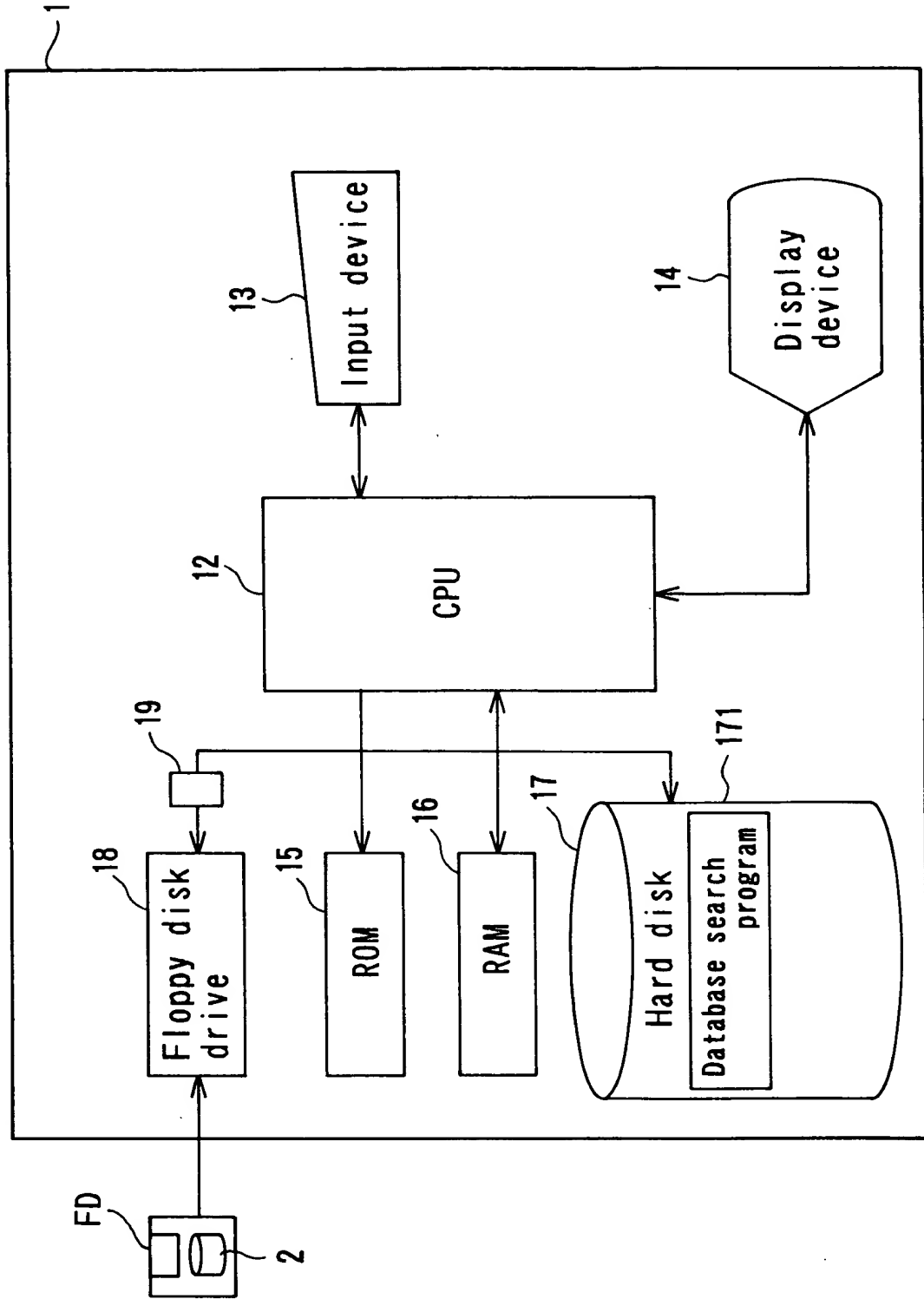
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FIG. 4

Plant name	Equipment number	Pump name	Size/model	Serial number	Numbering of the pump	Number of the pumps	Part code	Part name	Material of the part	Number of the parts	Control number	Amount in stock
1GT	P-0502-A	LOW PRESSURE FLUSE	100X801FWM	RD80056-02	1/2	1	CIC01-2413	Impeller 100X80-25NC	SCS13	1		
1GT	P-0502-B	LOW PRESSURE FLUSE	100X801FWM	RD80056-02	2/2	1	CIC01-2413	Impeller 100X80-25NC	SCS13	1		
1GT	P-0910-A	WASTE SOLVENT BUFF	80X50LSM	RE80520-03	1/2	1	CICS1-2043	Impeller 80X50S 18	SCS14	1		
1GT	P-0910-B	WASTE SOLVENT BUFF	80X50LSM	RE80520-03	2/2	1	CICS1-2043	Impeller 80X50S 18	SCS14	1		
1GT	P-0910-C	WASTE SOLVENT BUFF	80X50LSM	RE80459	1/1	1	CICS1-2043	Impeller 80X50S 18	SCS14	1		
1GT	P-1336-A	RW BOOSTER PUMP	80X50FWM	RM80259	1/1	1	CIC01-2157	Impeller 80X50-20 NC	FC0400	1		
1GT	P-1336-B	RW BOOSTER PUMP	80X50FWM	RK21341	1/1	1	CIC01-2157	Impeller 80X50-20 NC	FC0400	1		
1PET	P-0401-A	RCW CIRCULATION PUMP	80X40FWM	RD18774-01	1/2	1	CIC01-2403	Impeller 80X40-20 NC	SCS13	1		
1PET	P-0401-B	RCW CIRCULATION PUMP	50X40FWM	RD18774-01	2/2	1	CIC01-2403	Impeller 80X40-20 NC	SCS13	1		
1PET	P-0921-A	CHW CIRCULATION PUMP	150X100FWM	RD18774-02	1/2	1	CIC01-2115	Impeller 150X100-16X NC	FC200	1		
1PET	P-0921-B	CHW CIRCULATION PUMP	150X100FWM	RD18774-02	2/2	1	CIC01-2115	Impeller 150X100-16X NC	FC200	1		
1PET	P-0931	CONDENSE TE PUMP	40X251FWM	RD18774-03	1/1	1	CIC01-2941	Impeller 40X25-16 NC	SCS13	1		
1PET	P-0941-A	WASTE WATER PUMP	40X251FWM	RD18774-04	1/2	1	CIC01-2941	Impeller 40X25-16 NC	SCS13	1		
1PET	P-0941-B	WASTE WATER PUMP	40X251FWM	RD18774-04	2/2	1	CIC01-2941	Impeller 40X25-16 NC	SCS13	1		
1PET	P-0961	DCW BOOSTER PUMP	50X401FWM	RD18774-05	1/1	1	CIC01-2101	Impeller 450X40-13 NC	FC200	1		
2GT	P-0101-A	DISSOLVER FEED 800	100X801FSM	RE80215-01	1/2	1	CIFS1-2192	Impeller 100X80-25	SCS14	1		
2GT	P-0101-B	DISSOLVER FEED 800	100X801FSM	RE80215-01	2/2	1	CIFS1-2192	Impeller 100X80-25	SCS14	1		
		DCW BOOSTER PUMP	100X801FWM	RE80215-02	1/2	1	CIC01-2362	Impeller 450X80-20 NC	SCS14	1		
			100X801FWM	RE80215-02	2/2	1	CIC01-2362	Impeller 450X80-20 NC				
			50X401FWM	RE80215-03	1/1	1	CIC01-2353	Impeller 50X40-13 NC				
				RG80097-01	1/1	1	CIC01-2406					
					1/2	1						

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FIG. 5



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F / G. 6

System for searching parts used in pumps

- 1 Searching for a part code and a control number

Plant name	AAA
Equipment number	PU-114A
Part name	impeller

Search

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Search result

Part code	Part name	Material	Number of the parts	Control number	Amount in stock
CIC01-2945	Impeller40x25 20 NC	SCS14	1	AA-11	

- 2 Searching for pumps including a common part

Part code	CIC01-2945
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Search

Control number	AA-111
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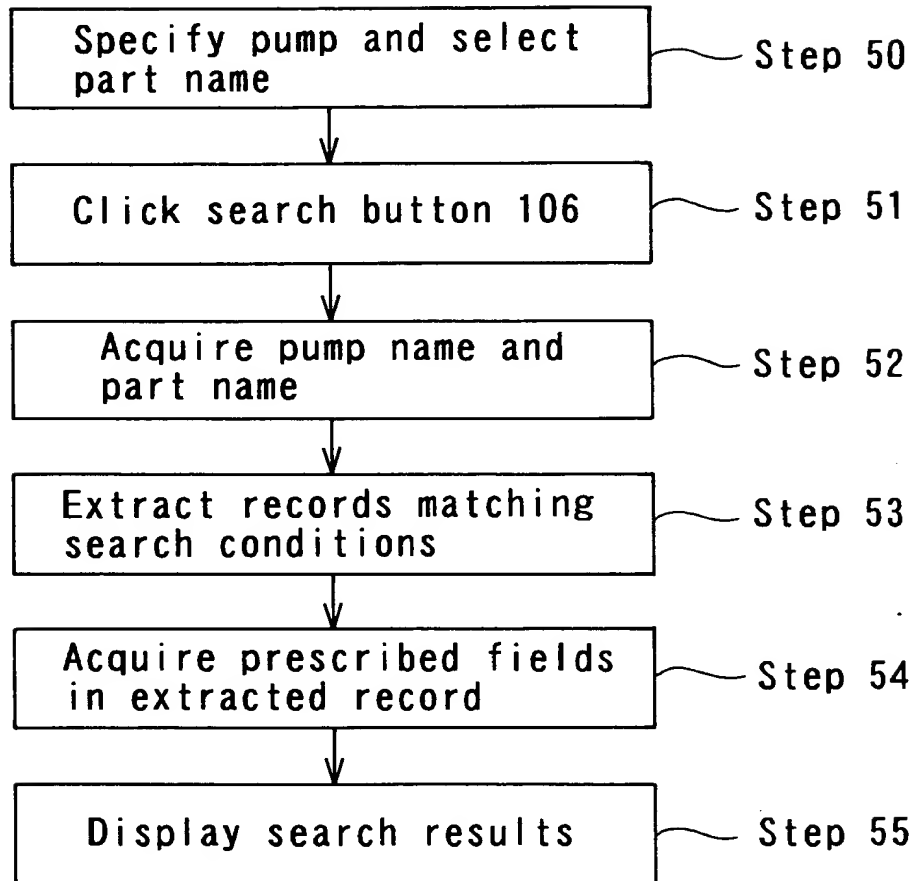
Search

- 3 Create a table showing all components of a pump

Create a table showing all components of a pump

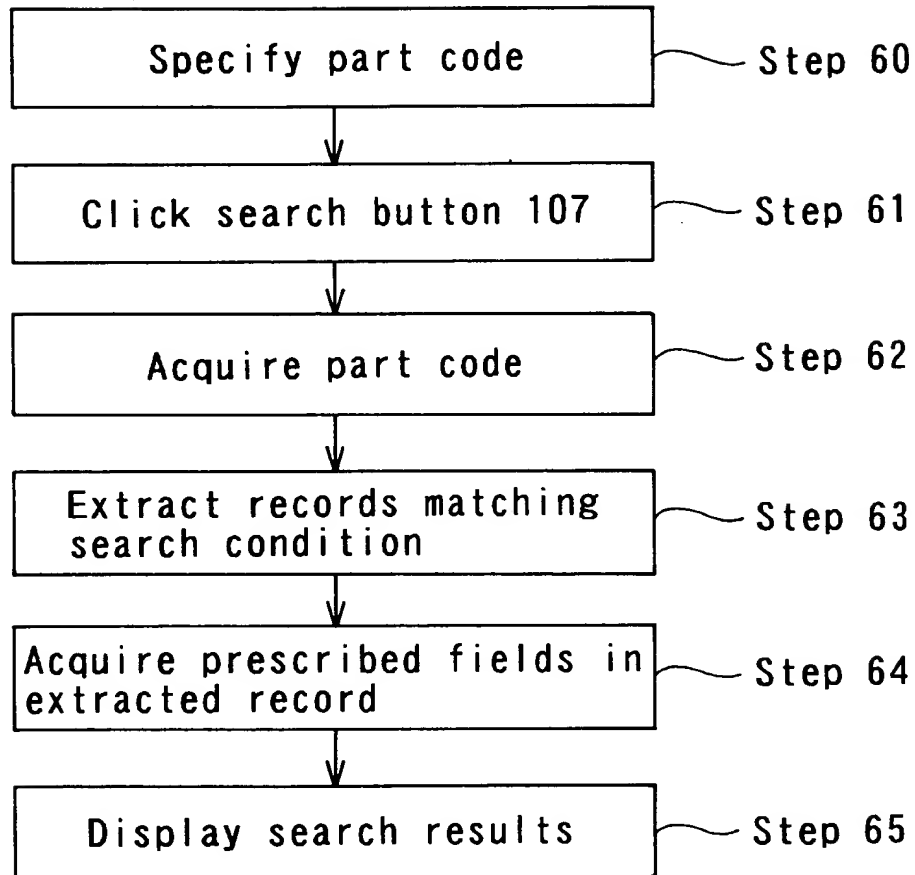
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FIG. 7



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F I G. 8

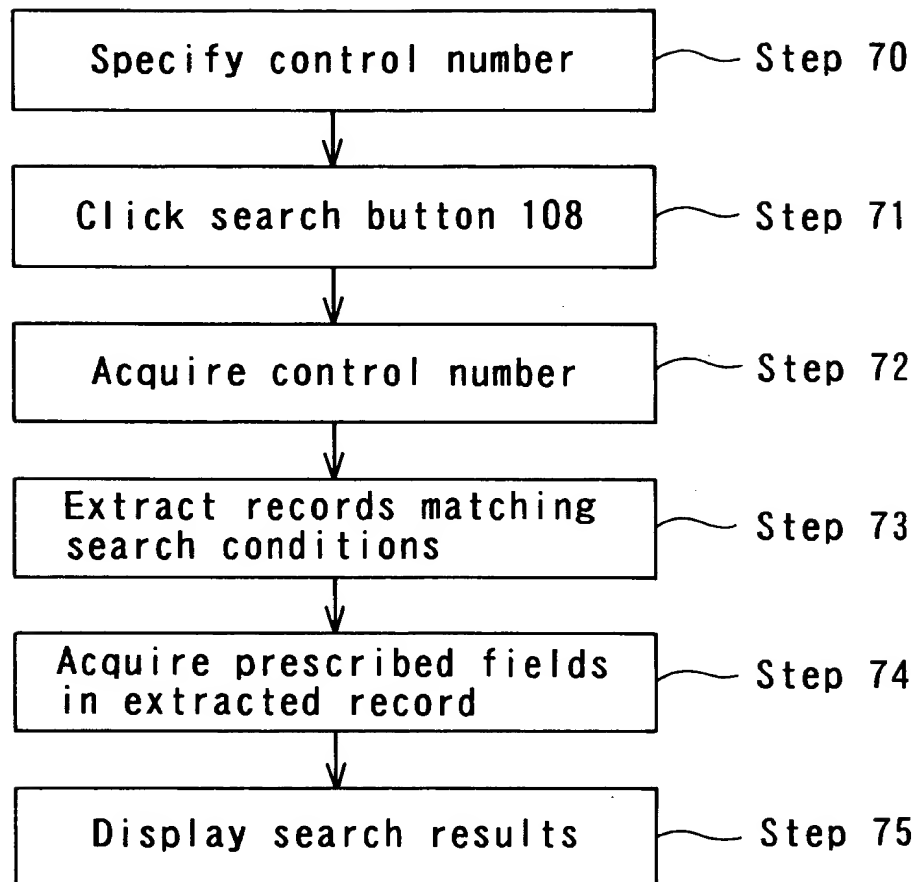


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FIG. 10

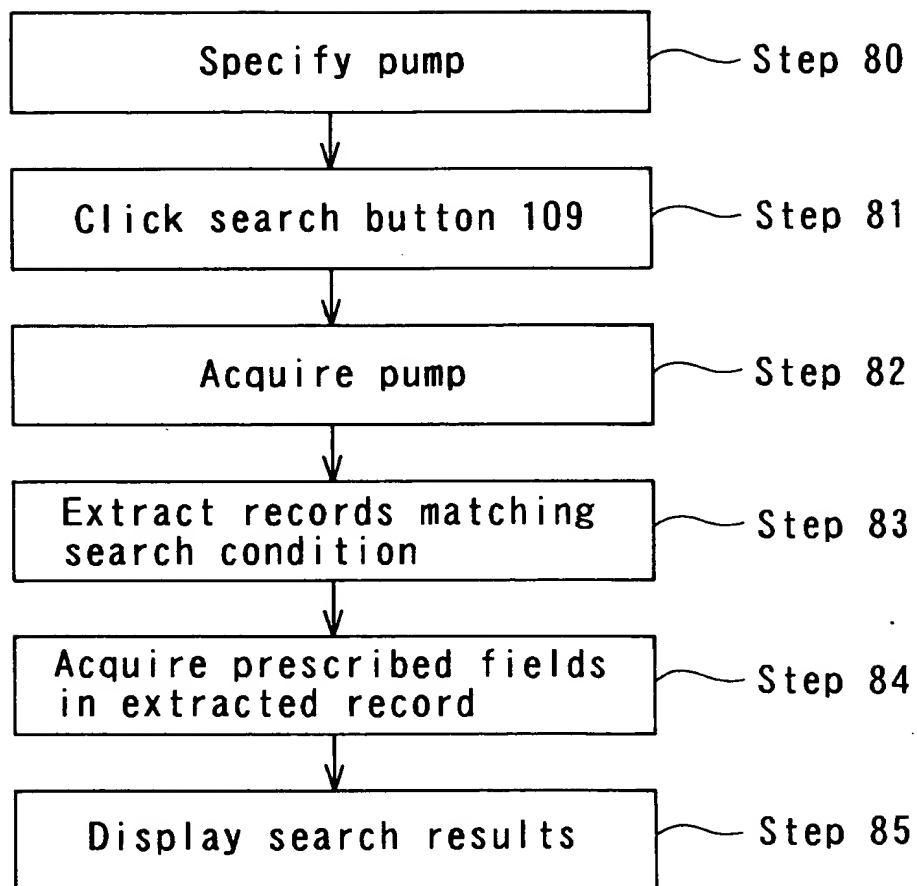


List of pumps including the common part

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FIG. 12



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FIG. 13

Table of all components of the pump for after-sales service

Plant name	AAA
Equipment number	PU-114A
Size/model	40X25IFWM
Serial number	QK659267
Numbering of the pump	1/2

Part name	Part code	Part name	Material of the part	Number of the parts	Control number	Amount in stock
Impeller	CIC01-2945	Impeller40X25 20 NC	SCS14	1	AAA-111	
Shaft	CIS01-3451	IST-130 63NC	SUS316	1		
Impeller nut	CIS71-4211	LOT-116	SUS316	1		
Set screw	SCNS-C301	CNS-M5X11	SUS316	1		
Case wearing ring 1	SLY-C296	LY-76	SUS316	1		
Case wearing ring 2	CIS81-4042	LYN-108	SUS316	1		
O-ring for mechanical cover	SOG0G-T271	O-ring G55	TEFLON	1		
Shaft sleeve	CIS31-3441	ISLU-135	SUS316	1		
Recommended shaft sleeve	CIS11-3161(Recommended)	ISLB-135	SUS316	1		
Mechanical seal	CIS41-4602	135-MU EAT	CM/C	1		
Recommended mechanical seal	CIS72-40741(Recommended)	135-MB-TG	SiC/C	1		
Radial bearing	SGB-6306	Ball bearing #6306	STD	1		
Thrust bearing	SBG-6306	Ball bearing #6306	STD	1		
Oil seal	SSLO-Q211	SB30X42X8	STD	2		
Body gasket	CIS41-0663	CSPK-224X240X1	V#6500A0	1		
Sleeve packing	CIS71-4107	ISLPK-22X29X1	V#7010-2	1		
Recommended mechanical cover	CIS61-4291(Recommended)	MBQ-135	SUS316	1		

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FIG. 14

